

10/27/66

21. APPLICATION FOR OVERHEAD-WIRE-CROSSING EASEMENT, STATE SCHOOL LAND, SAN BERNARDINO COUNTY; SOUTHERN CALIFORNIA EDISON COMPANY - W.O. 6331, P.R.C. 3648.2.

After consideration of Calendar Item 19 attached, and upon motion duly made and carried, the following resolution was adopted:

THE EXECUTIVE OFFICER IS AUTHORIZED TO ISSUE TO SOUTHERN CALIFORNIA EDISON COMPANY A 15-YEAR EASEMENT, AT A TOTAL RENTAL OF \$832.20, FOR THE CONSTRUCTION, OPERATION, AND MAINTENANCE OF AN OVERHEAD ELECTRIC POWER LINE, WITH THE RIGHT OF RENEWAL FOR THREE PERIODS OF 10 YEARS EACH, OVER THE FOLLOWING-DESCRIBED LAND:

THAT PORTION OF SECTION 36, TOWNSHIP 11 NORTH, RANGE 8 EAST, SAN BERNARDINO BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WESTERLY LINE OF SAID SECTION 36, SAID POINT BEING A MOUND OF STONE SET AT THE WEST ONE-QUARTER CORNER OF SAID SECTION 36; THENCE NORTH $2^{\circ} 26' 49''$ WEST 740.18 FEET, MEASURED ALONG SAID WESTERLY LINE; THENCE NORTH $46^{\circ} 59' 35''$ EAST 629.77 FEET; THENCE NORTH $57^{\circ} 21' 35''$ EAST 2,880.48 FEET MORE OR LESS TO A POINT IN THE NORTHERLY LINE OF SAID SECTION 36, SAID POINT BEING NORTH $89^{\circ} 00' 35''$ EAST 333.63 FEET, MEASURED ALONG SAID NORTHERLY LINE FROM A U.S.G.L.O. BRASS CAP MONUMENT SET AT THE NORTH ONE-QUARTER CORNER OF SAID SECTION 36; THENCE NORTH $89^{\circ} 00' 35''$ EAST 1,357.49 FEET MORE OR LESS MEASURED ALONG SAID NORTHERLY LINE TO A POINT, SAID POINT BEING SOUTH $89^{\circ} 00' 35''$ WEST 1,243.63 FEET, MEASURED ALONG SAID NORTHERLY LINE FROM A U.S.G.L.O. BRASS CAP MONUMENT SET AT THE NORTHEAST CORNER OF SAID SECTION 36; THENCE SOUTH $57^{\circ} 40' 45''$ WEST 3,974.38 FEET MORE OR LESS TO A LINE PARALLEL WITH AND SIX HUNDRED NINETY (690) FEET SOUTHEASTERLY, MEASURED AT RIGHT ANGLES, FROM SAID COURSE HAVING A BEARING OF NORTH $46^{\circ} 59' 35''$ EAST AND A LENGTH OF 629.77 FEET; THENCE SOUTH $46^{\circ} 59' 35''$ WEST 1,116.49 FEET MORE OR LESS MEASURED ALONG SAID PARALLEL LINE TO A POINT IN THE WESTERLY LINE OF SAID SECTION 36, SAID POINT BEING SOUTH $2^{\circ} 33' 03''$ EAST 167.79 FEET, MEASURED ALONG SAID WESTERLY LINE FROM SAID WEST ONE-QUARTER CORNER; THENCE NORTH $2^{\circ} 33' 03''$ WEST 167.79 FEET, MEASURED ALONG SAID WESTERLY LINE 167.79 FEET, TO THE POINT OF BEGINNING.

Attachment

Calendar Item 19 (2 pages)

19.

APPLICATION FOR OVERHEAD-WIRE-CROSSING EASEMENT, STATE SCHOOL LAND, SAN BERNARDINO COUNTY; SOUTHERN CALIFORNIA EDISON COMPANY - W.O. 6331.

Southern California Edison Company has applied for a 690-foot easement for a 500 kv electric transmission line across 26.6 acres of State school land in Section 36, T. 11 N., R. 8 E., S.B.B. & M., San Bernardino County (see Exhibit "A").

The applicant has offered the following statement relating to the comparative cost of overhead to underground construction:

"The highest voltage at present utilized for sub-surface (underground) or submarine) transmission in this country is 345 kv.

"Extending the voltage levels to 500 kv involves technological problems that would require further years of research and development in order to bring this voltage class of cable and accessories into the realm of practicability. Research is now in progress which is pointed toward meeting this objective but at the present, both cables and accessories are not available for manufacture commercially. As with 115 and 230 kv cables, areas of rugged terrain will present situations in which an underground system is not technically feasible.

"Since 500 kv cable systems have not yet been developed by the cable and accessory manufacturers, cost estimates can be made only on a theoretical basis. In view of the large power transmitting capabilities of a 500 kv bundled conductor overhead system, 3 to 4 underground circuits would be required for an equivalent system. Cost ratios of a sub-surface installation to an overhead installation cannot be estimated within practical limits of accuracy at our present level of technology."

A staff appraisal indicates a value of \$838, which results in an annual rental of \$55.48, or a total of \$832.20, for the initial period of 15 years. The lease will provide for three renewal periods of 10 years each.

IT IS RECOMMENDED THAT THE COMMISSION AUTHORIZE THE EXECUTIVE OFFICER TO ISSUE TO SOUTHERN CALIFORNIA EDISON COMPANY A 15-YEAR EASEMENT, AT A TOTAL RENTAL OF \$832.20, FOR THE CONSTRUCTION, OPERATION, AND MAINTENANCE OF AN OVERHEAD ELECTRIC POWER LINE, WITH THE RIGHT OF RENEWAL FOR THREE PERIODS OF 10 YEARS EACH, OVER THE FOLLOWING-DESCRIBED LAND:

THAT PORTION OF SECTION 36, TOWNSHIP 11 NORTH, RANGE 8 EAST, SAN BERNARDINO BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WESTERLY LINE OF SAID SECTION 36, SAID POINT BEING A MOUND OF STONE SET AT THE WEST ONE-QUARTER CORNER OF SAID SECTION 36; THENCE NORTH 2° 26' 49" WEST 740.18 FEET, MEASURED ALONG SAID WESTERLY LINE; THENCE NORTH 46° 59' 35" EAST 629.77 FEET; THENCE NORTH 57° 21' 35" EAST 2,880.48 FEET MORE OR LESS TO A POINT

CALENDAR ITEM 19. (CONTD.)

IN THE NORTHERLY LINE OF SAID SECTION 36, SAID POINT BEING NORTH 89° 00' 35" EAST 333.63 FEET, MEASURED ALONG SAID NORTHERLY LINE FROM A U.S.G.L.O. BRASS CAP MONUMENT SET AT THE NORTH ONE-QUARTER CORNER OF SAID SECTION 36; THENCE NORTH 89° 00' 35" EAST 1,357.49 FEET MORE OR LESS MEASURED ALONG SAID NORTHERLY LINE TO A POINT, SAID POINT BEING SOUTH 89° 00' 35" WEST 1,243.63 FEET, MEASURED ALONG SAID NORTHERLY LINE FROM A U.S.G.L.O. BRASS CAP MONUMENT SET AT THE NORTHEAST CORNER OF SAID SECTION 36; THENCE SOUTH 57° 40' 45" WEST 3,974.38 FEET MORE OR LESS TO A LINE PARALLEL WITH AND SIX HUNDRED NINETY (690) FEET SOUTHEASTERLY, MEASURED AT RIGHT ANGLES, FROM SAID COURSE HAVING A BEARING OF NORTH 46° 59' 35" EAST AND A LENGTH OF 629.77 FEET; THENCE SOUTH 46° 59' 35" WEST 1,156.49 FEET MORE OR LESS MEASURED ALONG SAID PARALLEL LINE TO A POINT IN THE WESTERLY LINE OF SAID SECTION 36, SAID POINT BEING SOUTH 2° 33' 03" EAST 167.79 FEET, MEASURED ALONG SAID WESTERLY LINE FROM SAID WEST ONE-QUARTER CORNER; THENCE NORTH 2° 33' 03" WEST 167.79 FEET, MEASURED ALONG SAID WESTERLY LINE 167.79 FEET, TO THE POINT OF BEGINNING.